

[illegible]

CATTCTGAACCTACTATGTACGGTGCTTTATTGCCAGTGTGCGGCTCTTTGTTCTCCGTGAAAACTGTGTCCGAGAACACACTCGGAGAGAACAAAGAGACAGTGCACATTTGTGTTAATGTGACATCAAGCAAGTATTGTAGCACCTCGGTGAAGCAGTAAAGAGCTTCTTGTCAAAAAGAGAGAGAGAGAAAGAAAAAAAAGGAATTC

Translated Mol. Weight = 24046.60

Fig 1

Sequence of the Human Platelet-Derived Growth Factor A-Chain Clone Uppsala-13-1

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GAATTCGTCGCGCAATATGAGAAATTACCGGCGGGGTGCTCTGTAAGCAGCGGGGAGGCAAGCGGGGCGGCGGAGCACCGGAGGAAGACCCAGCCCCGGCC
CTCGGCCCCCTTCCGTCGCCACACCCCATCCCGGCGGCGGAGGCTCCCGGCGGTGGCGCGCACTCCCTGTTTCTCTCTGCTGGGCTGCTGCTCTCCGCACTGCTC
GCCGGGCGCGCTCCGCGAGCTCCGCTCCCGGCGGCGGCGCTCCCTAAGGGATGGTACTGATTTTCGCGGCCACAGGAGACCGGCTGGAGCGCGCGCCCCCGCGG
1
Met Arg Thr Leu Ala Cys Leu Leu Leu Gly Cys Gly Tyr Leu Ala His Val Leu Ala
ATG AGG ACC TTG GCT TGC CTG CTC CTC GGC TGC GGA TAC CTC GCC CAT GTT CTG GCC
30
Glu Glu Ala Glu Ile Pro Arg Glu Val Ile Glu Arg Leu Ala Arg Ser Ile Arg Asp Leu Gln Arg Leu Glu Ile
GAG GAA GCC GAG ATC CCC CGC GAG GTG ATC GAG AGG CTG GCC CGC AGT CAG ATC CAC AGC ATC CGG GAC CTC CAG CGA CTC CTG GAG ATA
40
Asp Ser Val Gly Ser Glu Asp Ser Leu Asp Ser Leu Arg Ala His Gly Val His Ala Thr Lys His Val Pro Glu Lys Arg Pro Leu
GAC TCC GTA GGG AGT GAG GAT TCT TTG GAC ACC AGC CTG AGA GCT CAC GGG GTC CAT GCC ACT AAG CAT GTG CCC GAG AAG CGG CCC CTG
50
Pro Ile Arg Arg Lys Arg Ser Ile Glu Glu Glu Ala Val Pro Ala Val Cys Lys Thr Arg Thr Val Ile Tyr Glu Ile Pro Arg Ser Gln Val
CCC ATT CCG AGG AAG AGA AGC ATC GAG GAA GCT GTC CCC GCT GTC TGC AAG ACC AGG ACC GTC ATT TAC GAG ATT CCT CGG AGT CAG GTC
60
Asp Pro Thr Ser Ala Asn Phe Leu Ile Trp Pro Pro Cys Val Glu Val Lys Arg Cys Thr Gly Cys Cys Asn Thr Ser Ser Val Lys Cys
GAC CCC ACC TCC GCC AAC AAC TTC CTG ATC TGG CCC CCC TGC TGC GAG GTG AAA CGC TGC ACC GGC TGC AAC ACG AGC AGT GTC AAG TGC
70
Gln Pro Ser Arg Val His His Arg Ser Val Lys Val Ala Lys Pro Lys Leu Lys Glu Val Gln Val Val Arg
CAG CCC TCC CGC GTC CAC CAC CGC AGC GTC AAG GTG GCC AAG GTG GAA TAC GTC AGG AAG AAG CCA AAA TTA AAA GAA GTC CAG GTG AGG
80
Leu Glu Glu His Leu Cys Ala Cys Ala Thr Thr Ser Leu Asn Pro Asp Tyr Arg Glu Glu Asp Thr Asp Val Arg
TTA GAG GAG CAT TTG GAG TGC GGC TGC GCG ACC ACA AGC CTG AAT CCG GAT TAT CGG GAA GAG GAC ACG GAT GTG AGG
90
GCCCTTCTCGGACATGGATGTACATGGCGGTGTACATTCTGAACTACTATGTACGGTGTCTTATTGCCAGTGTGGGTCTTGTCTCTCCGTGAAAACTGTGTCCGAGAACAC
TCGGGAGAACAAAGAGACAGTGACATTTGTTTAAATGTGACATCAAGCAAGTATTGTAGCACTCGGTGAGCAGTAAAGAGCTTCCTTGTCAAAAGAGAGAGAGAGAGAAAAA
AAGGAATTC

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FIG. 2

Translated Mol. Weight = 22256.17

FIG. 3

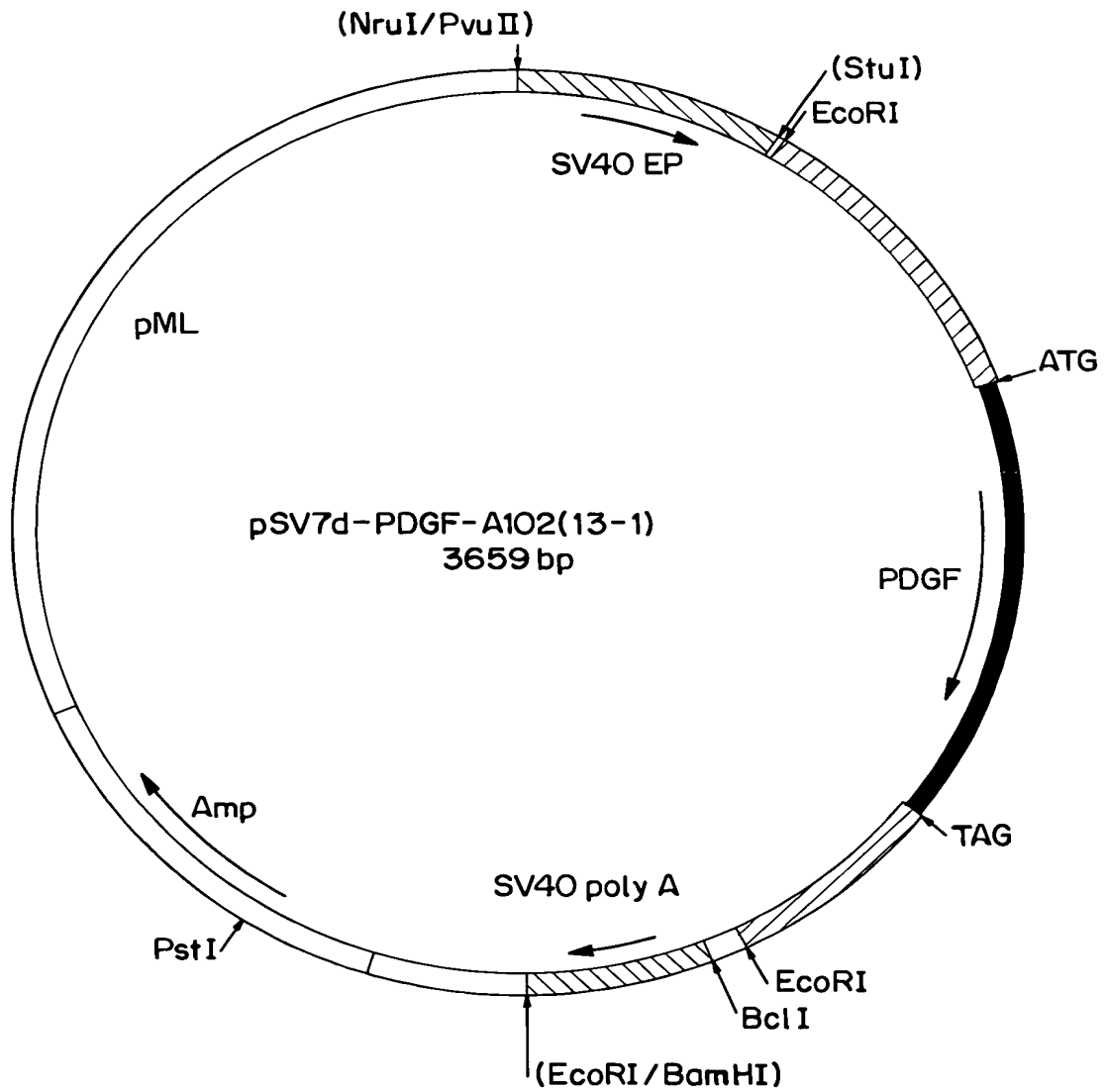


FIG. 4

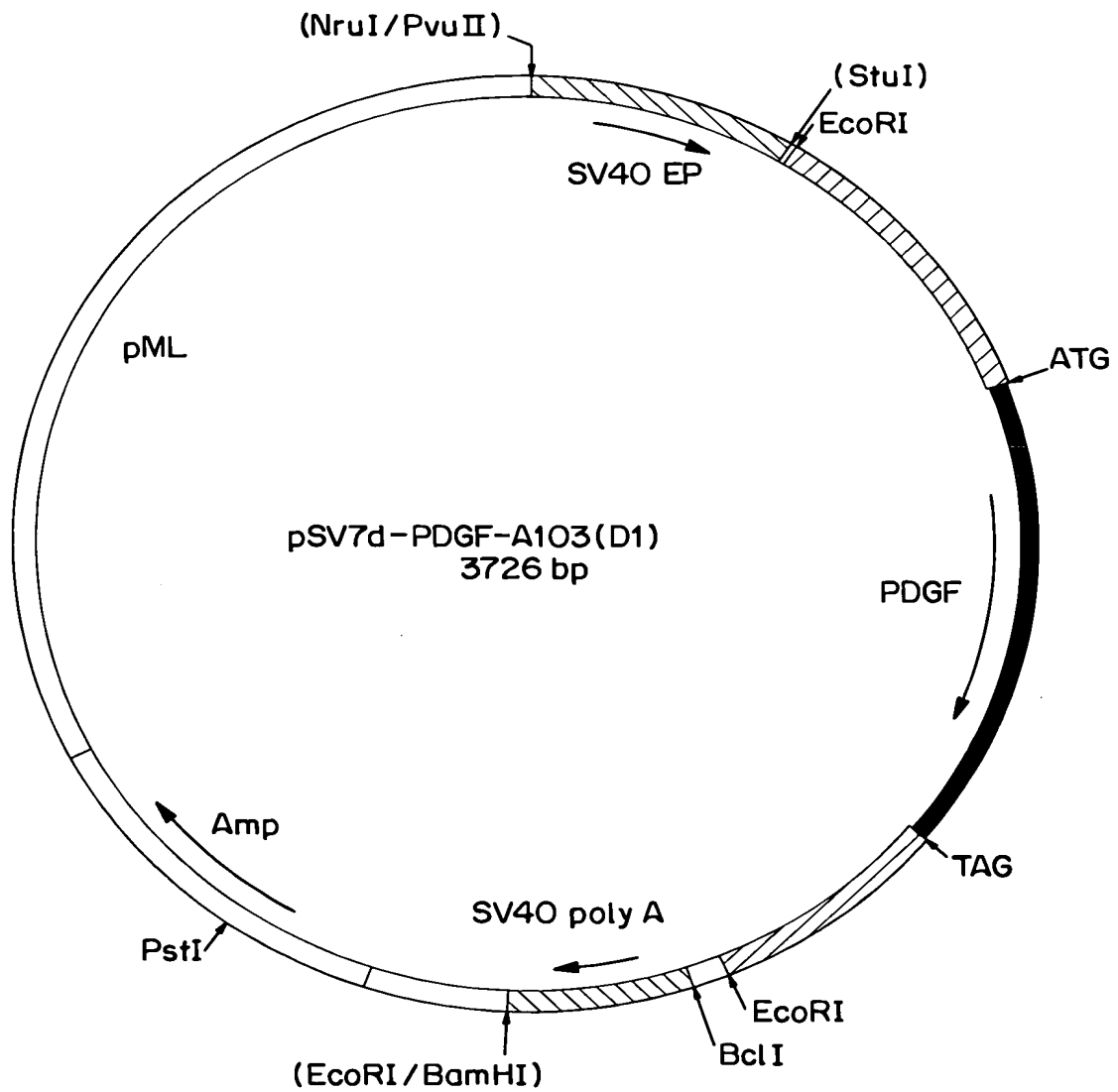


FIG. 5

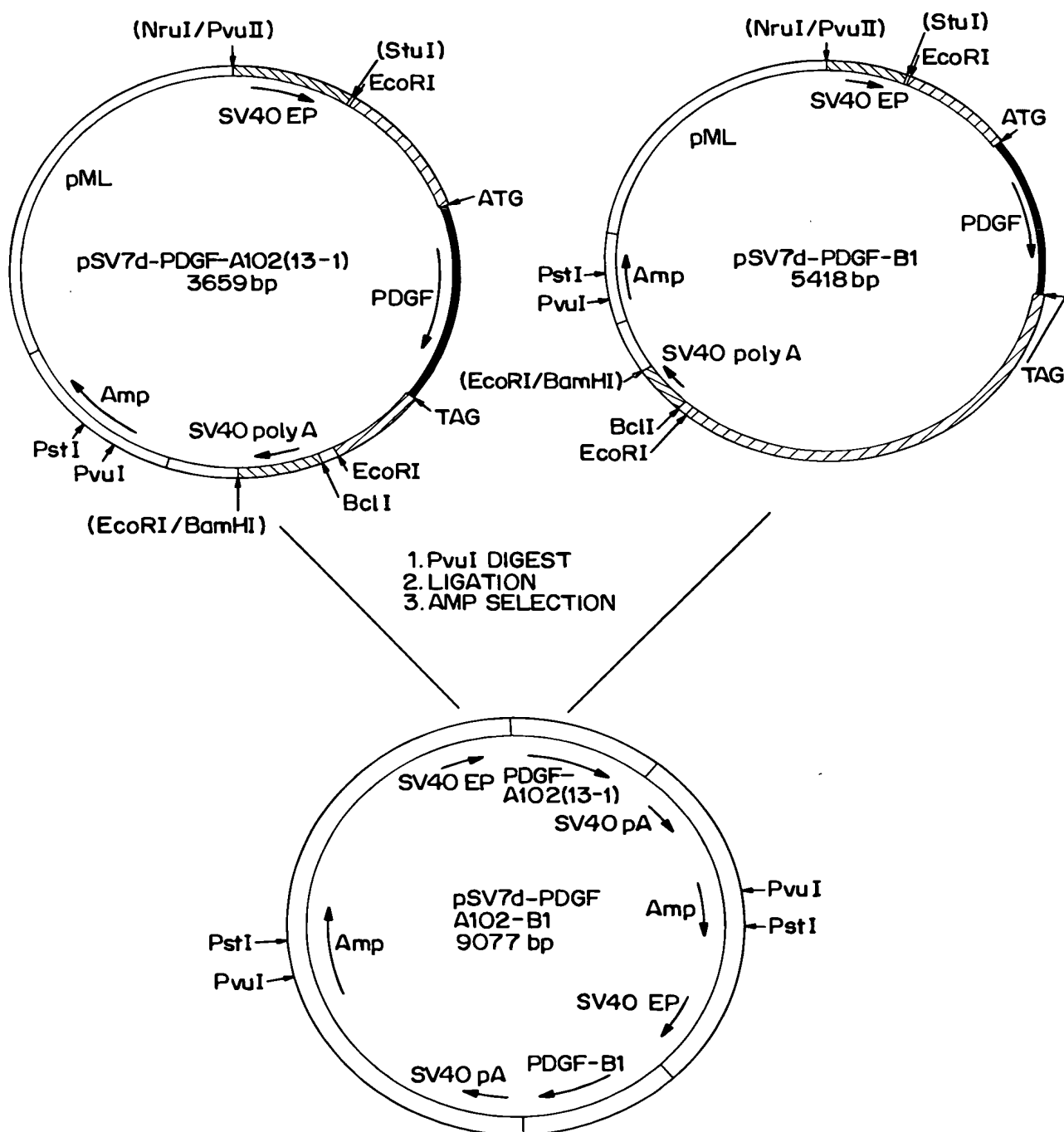
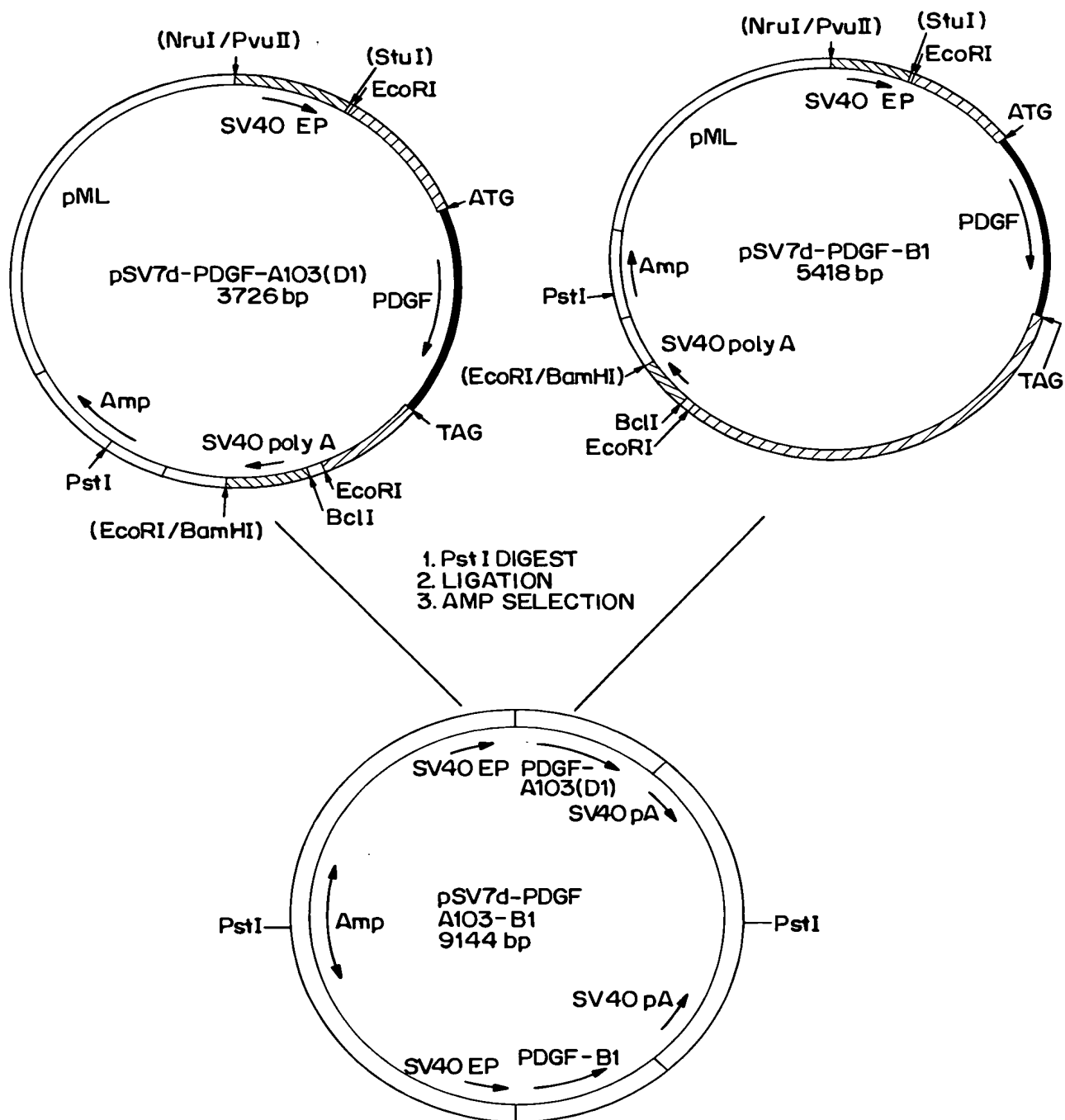


FIG. 6



Sequence of SV40 early promoter, polylinker, and SV40
poly A addition region from pSV7d

1/2 PVUII site SV 40 early promoter -->
CTGTGGAATGTGTGTCAGTTAGGGTGTGGAAAGTCCCCAGGCTCCCCAGGCAGGCAAGT
GACACCTTACACACAGTCAATCCACACCTTTCAGGGGTCCGAGGGGTCGTCCGTCTTCA
61 ATGCAAAGCATGCATCTCAATTAGTCAGCAAGGAAAGTCCCCAGGCTCCCCAGGCAGG
TACGTTTCGTACGTAGAGTTAATCAGTCGTTCTTTCAGGGGTCCGAGGGGTCGTCCGTC
68 SPHI
121 AAGTATGCAAAGCATGCATCTCAATTAGTCAGCAACCATAGTCCCGCCCCTAACTCCGCC
TTCATACGTTTCGTACGTAGAGTTAATCAGTCGTTGGTATCAGGGCGGGGATTGAGGCGG
132 SPHI
181 CATCCCGCCCCTAACTCCGCCCAGTTCGCCCCATTCTCCGCCCATGGCTGACTAATTTT
GTAGGGCGGGGATTGAGGCGGGTCAAGGCGGGTAAGAGGCGGGGTACCGACTGATTAAAA
223 NCOI,
241 TTTTATTTATGCAGAGGCCGAGGCCGCTCGGCCTCTGAGCTATTCCAGAAGTAGTGAAG
AAAATAAATACGTCTCCGGCTCCGGCGGAGCCGGAGACTCGATAAGGTCTTCATCACTTC
263 BGLI
301 AGGCTTTTTTGGAGGAGATCGAATTCGGGGTCTAGAGGATCCGTCGACCTAGATAAGTA
TCCGAAAAAACCTCCTCTAGCTTAAGGGCCAGATCTCCTAGGCAGCTGGATCTATTCAT
321 ECORI, 326 SMAI XMAI, 332 XBAI, 338 BAMHI, 344 SALI
361 ATGATCATAATCAGCCATATCACATCTGTAGAGGTTTTACTTGCTTTAAAAAACCTCCCA
TACTAGTATTAGTCGGTATAGTGTAGACATCTCCAAATGAACGAAATTTTTTGGAGGGT
362 BCL1, 405 DRAI,
421 CACCTCCCCCTGAACCTGAAACATAAAATGAATGCAATTGTTGTTGTTAACTTGTTTATT
GTGGAGGGGGACTTGGACTTTGTATTTTACTTACGTTAACAACAACAATTGAACAAATAA
466 HPAI
481 GCAGCTTATAATGGTTACAAATAAAGCAATAGCATCACAAATTTACAAATAAAGCATT
CGTCGAATATTACCAATGTTTATTTCTGTTATCGTAGTGTAAAGTGTATTTCTGTA
541 TTTTCACTGCATTCTAGTTGTGGTTTGTCCAACTCATCCGCTCATGAGACAATAACCT
AAAAGTGACGTAAGATCAACACCAACAGGTTTGAGTAGGCGAGTACTCTGTTATTGGGA
End of SV40--> ||-pBR322 (pos. 4210)->

FIG. 7

FIG.8

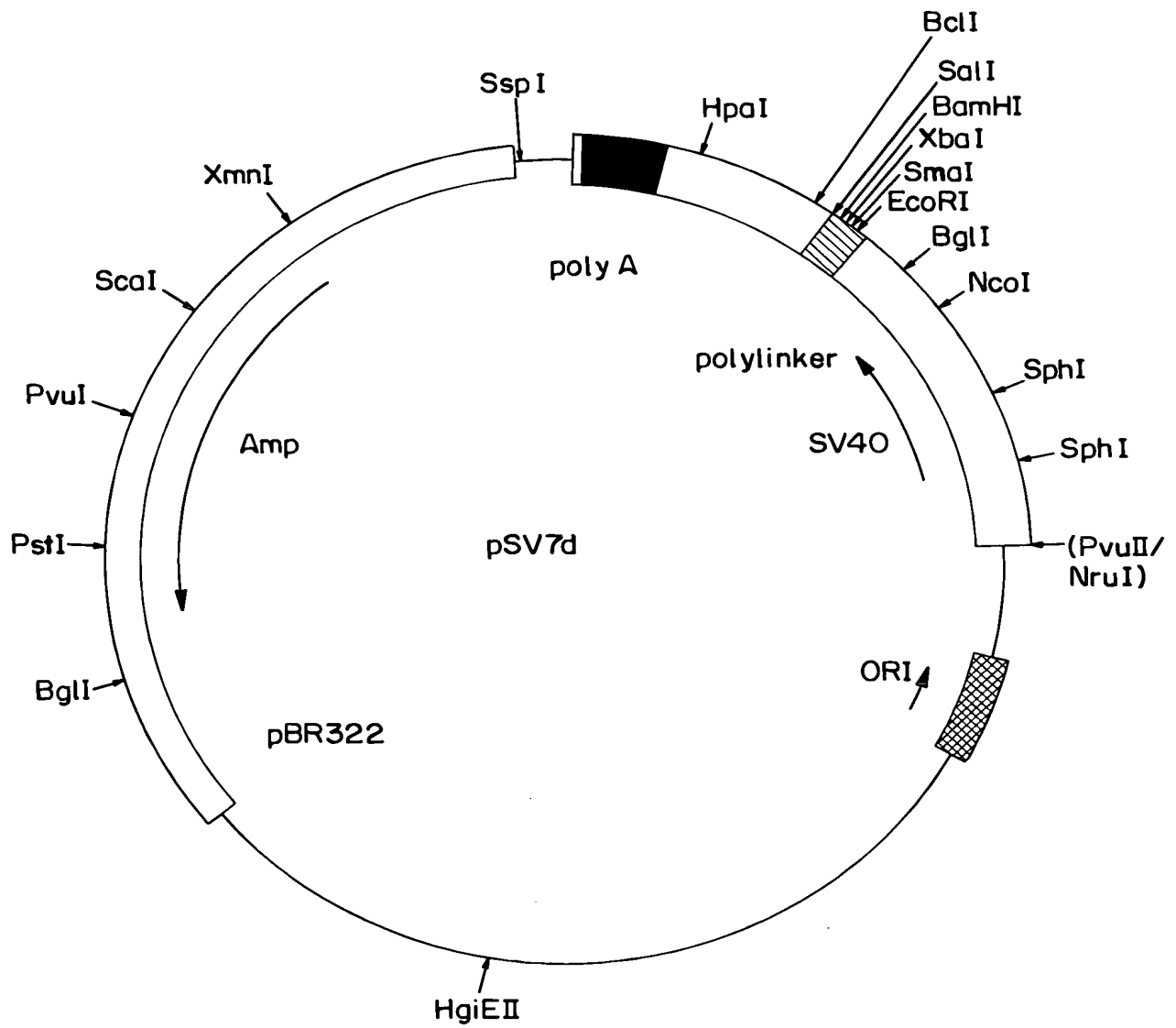


FIG. 9

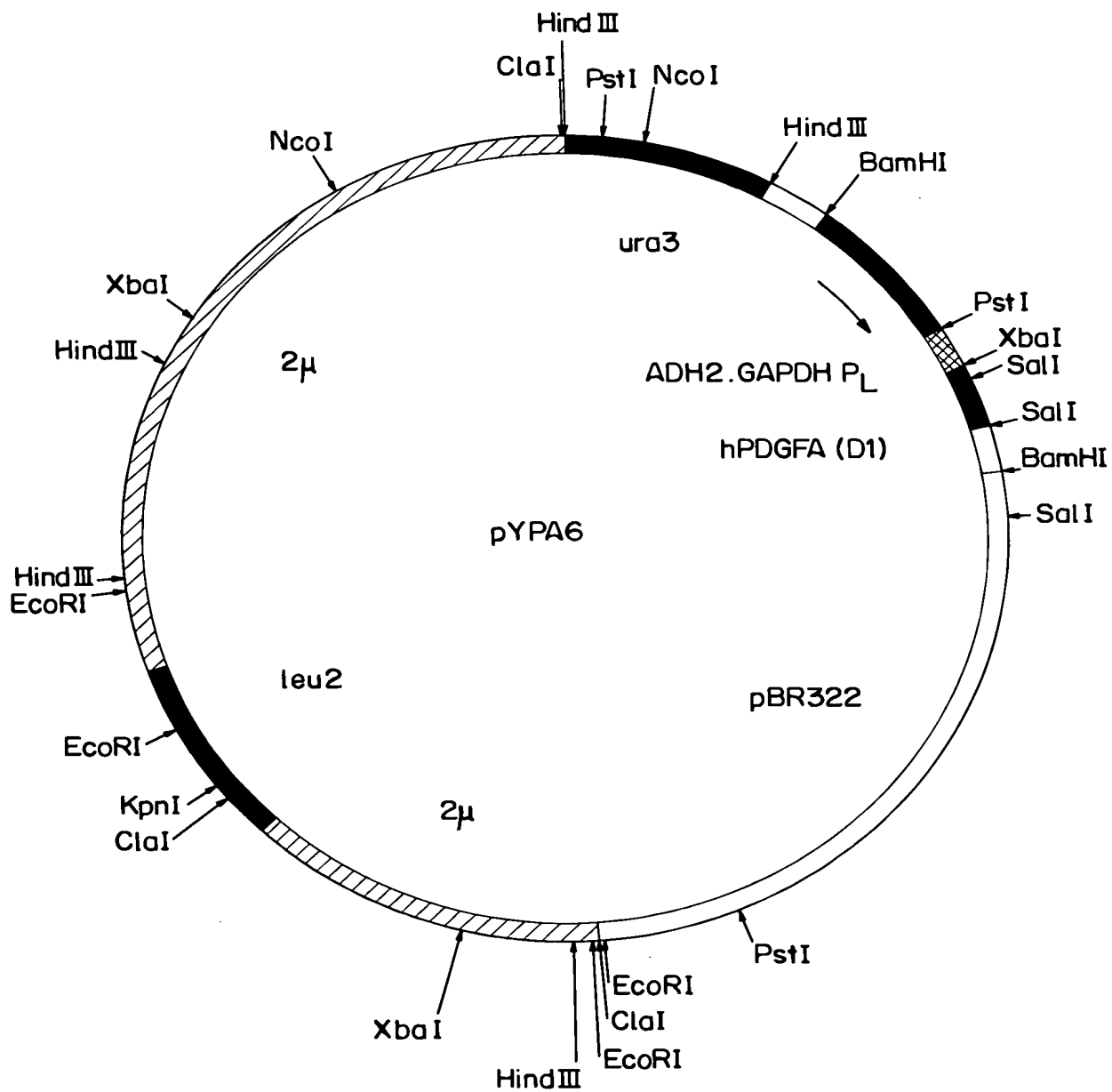


FIG.10

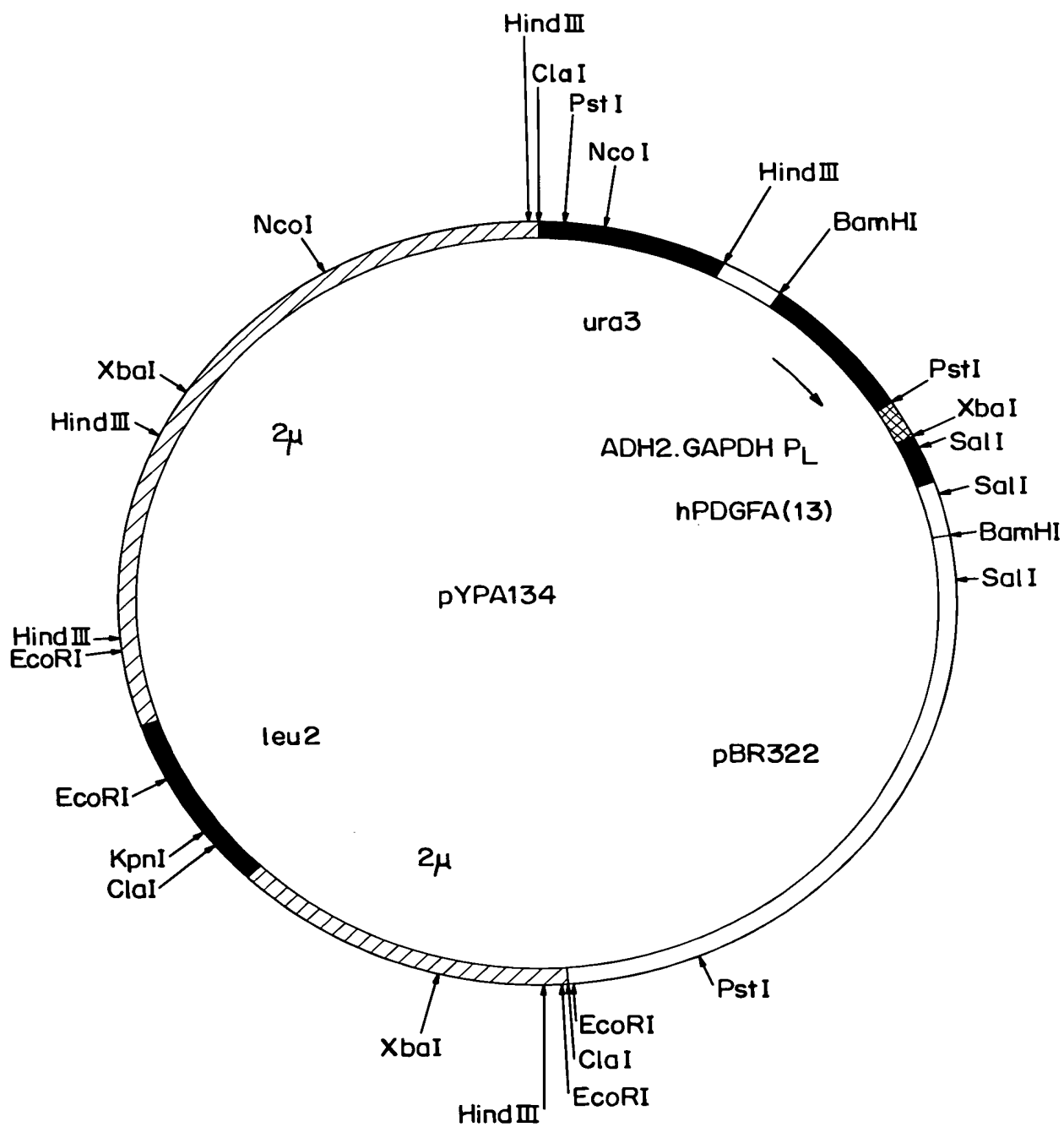


FIG.11

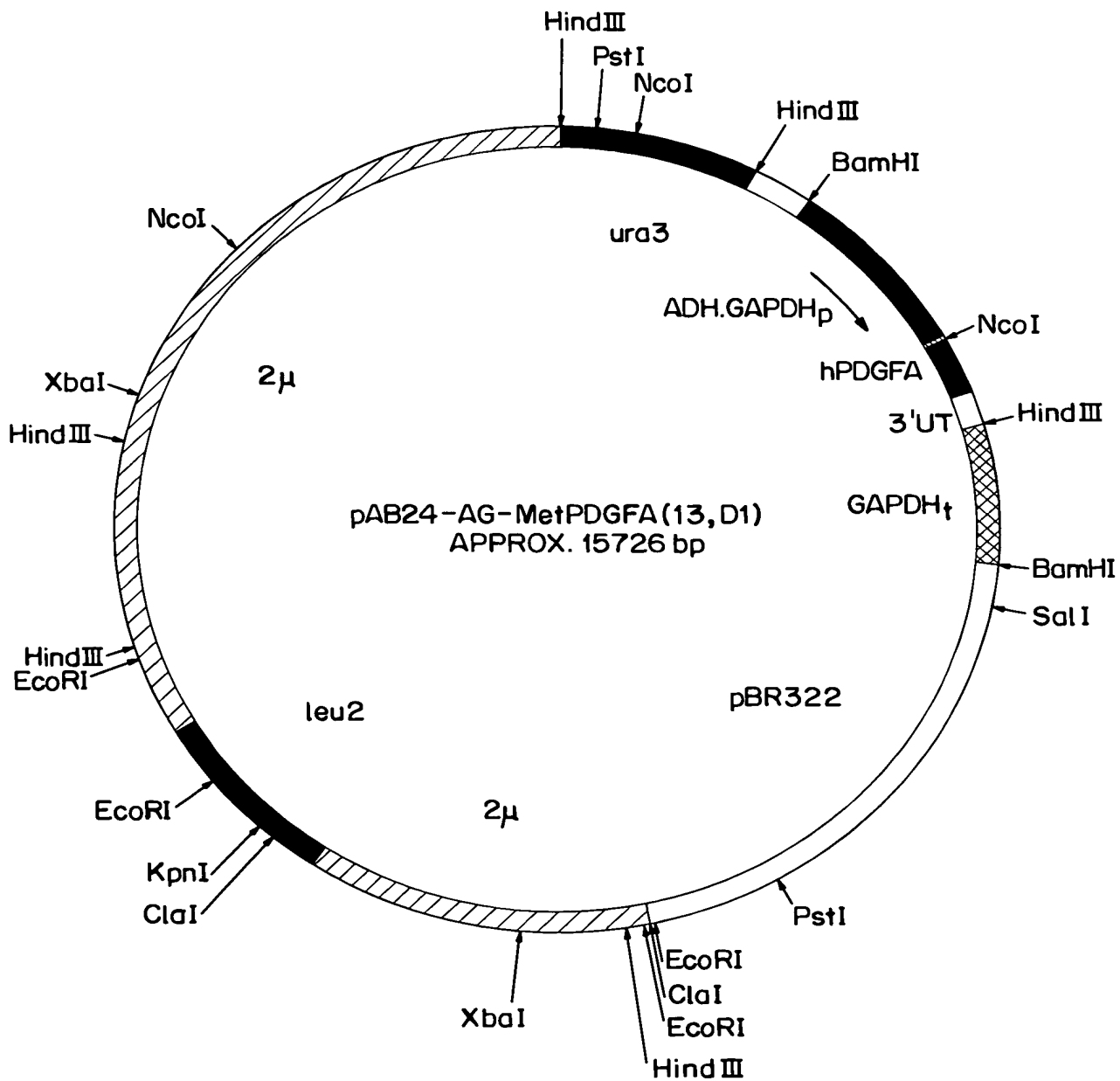


FIG.12

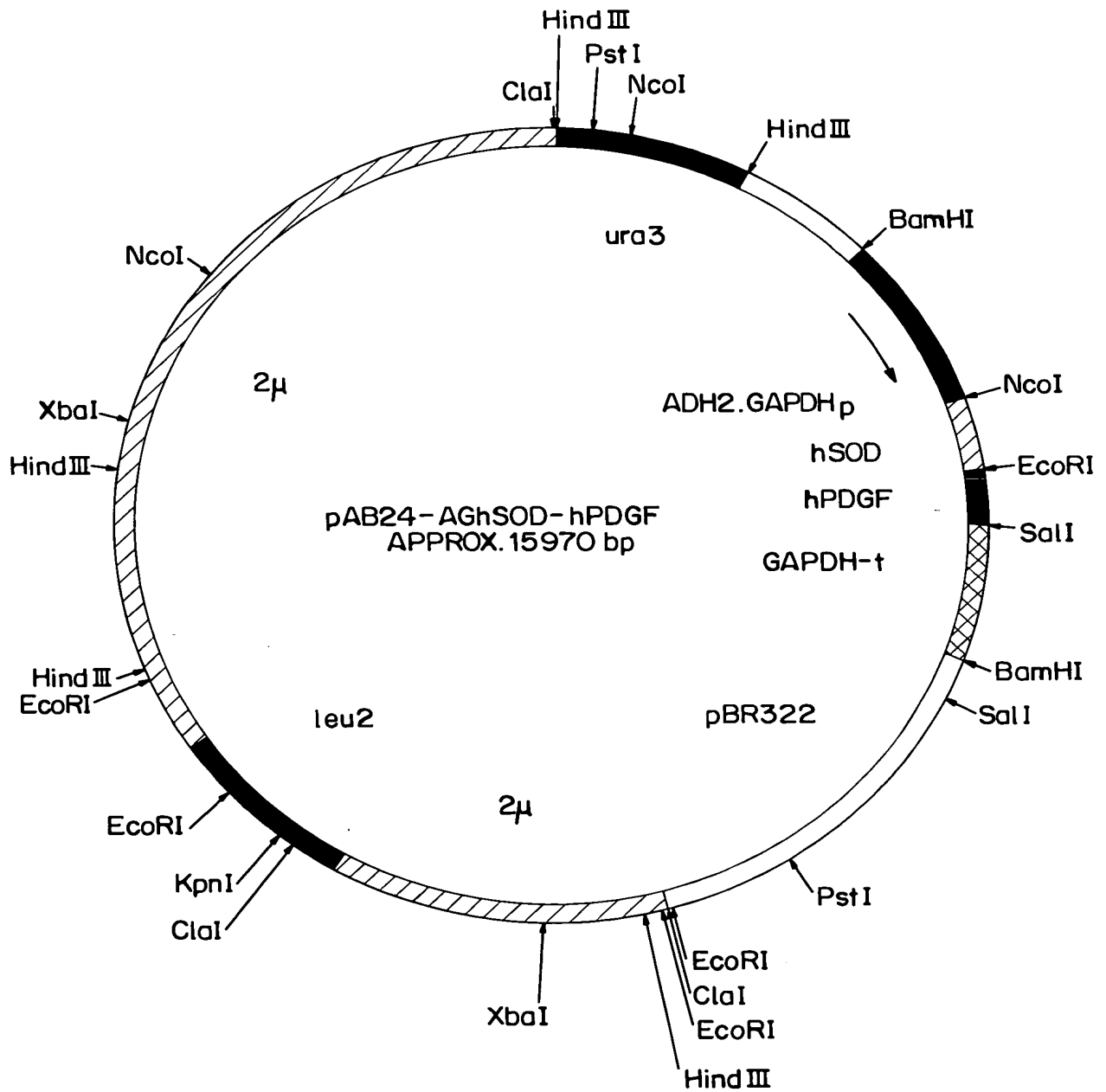


FIG.13

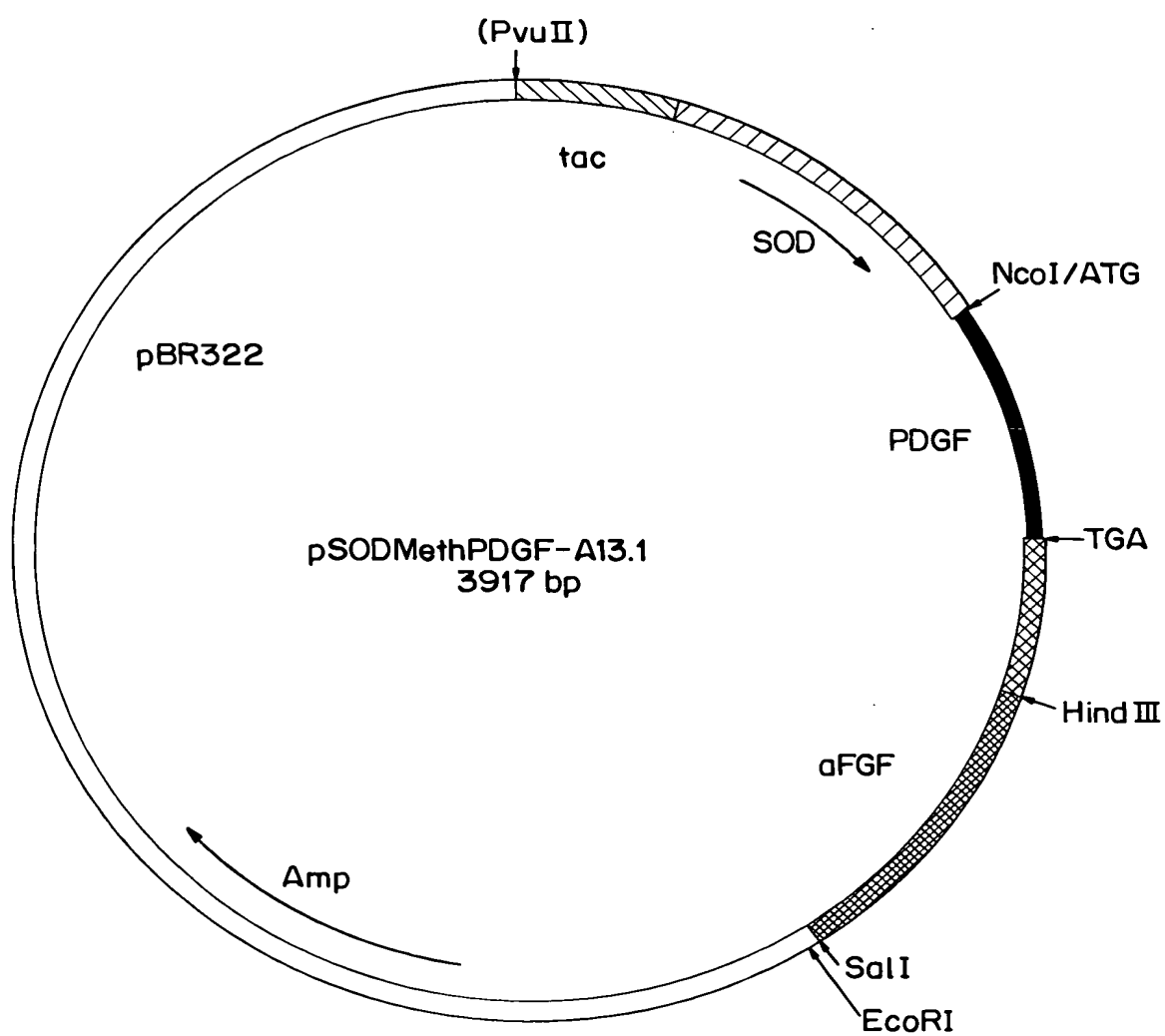


FIG.14

